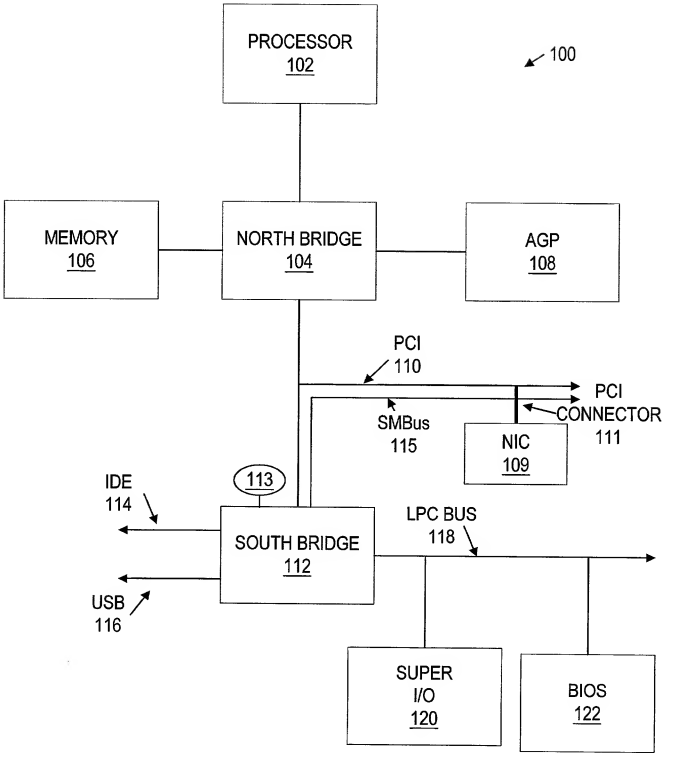

Fig. 1A
(Prior Art)

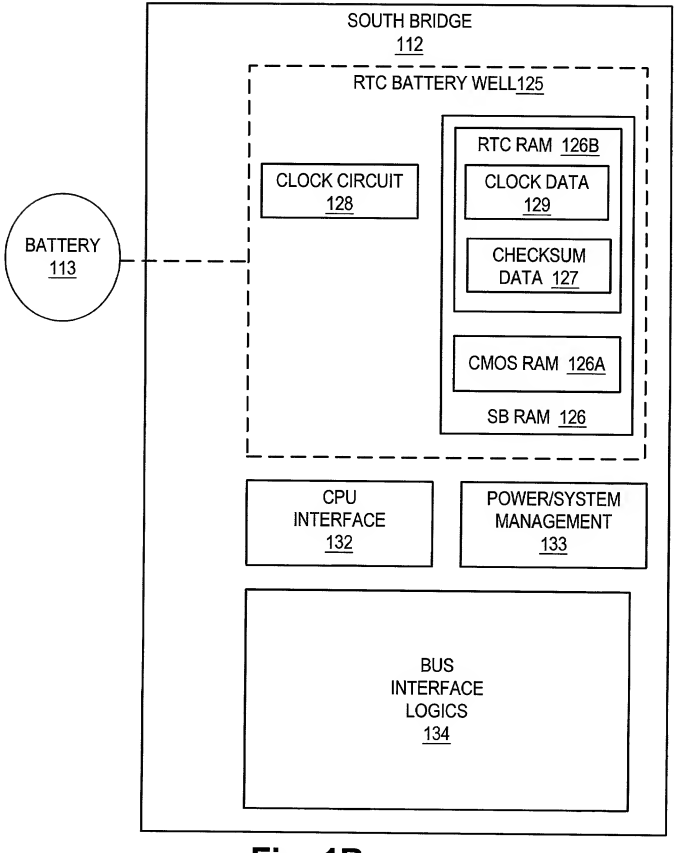

Fig. 1B
(Prior Art)

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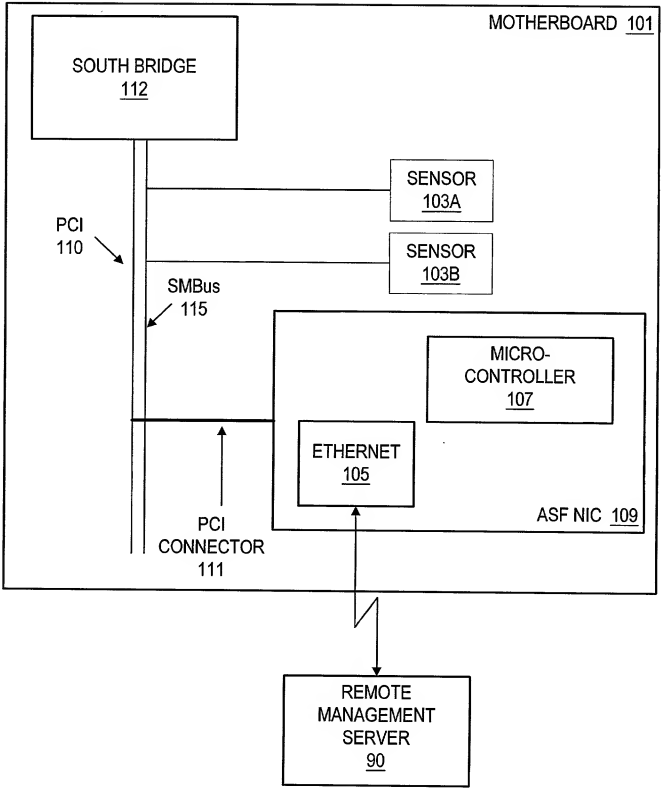

Fig. 1C
(Prior Art)

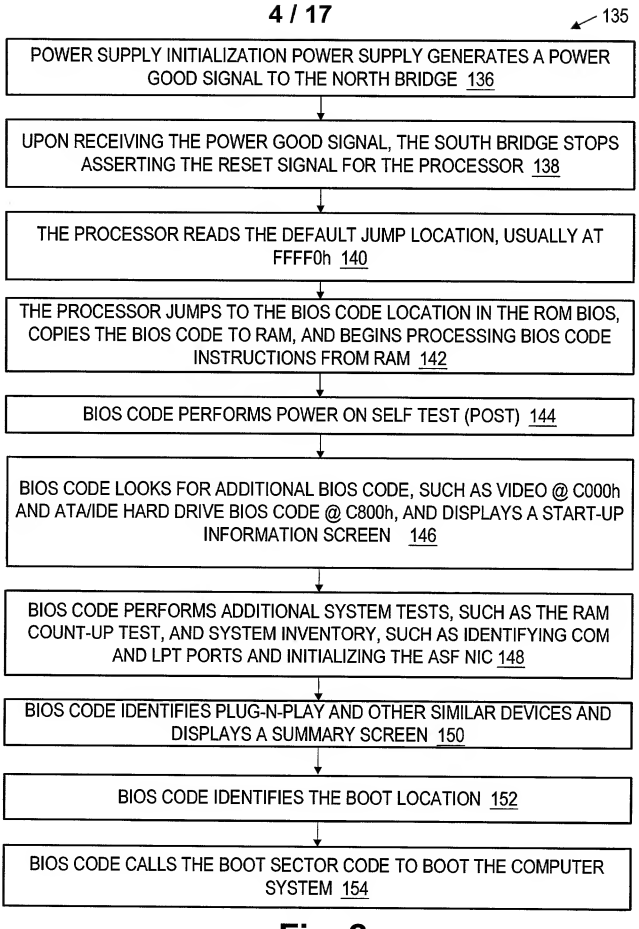

Fig. 2
(Prior Art)

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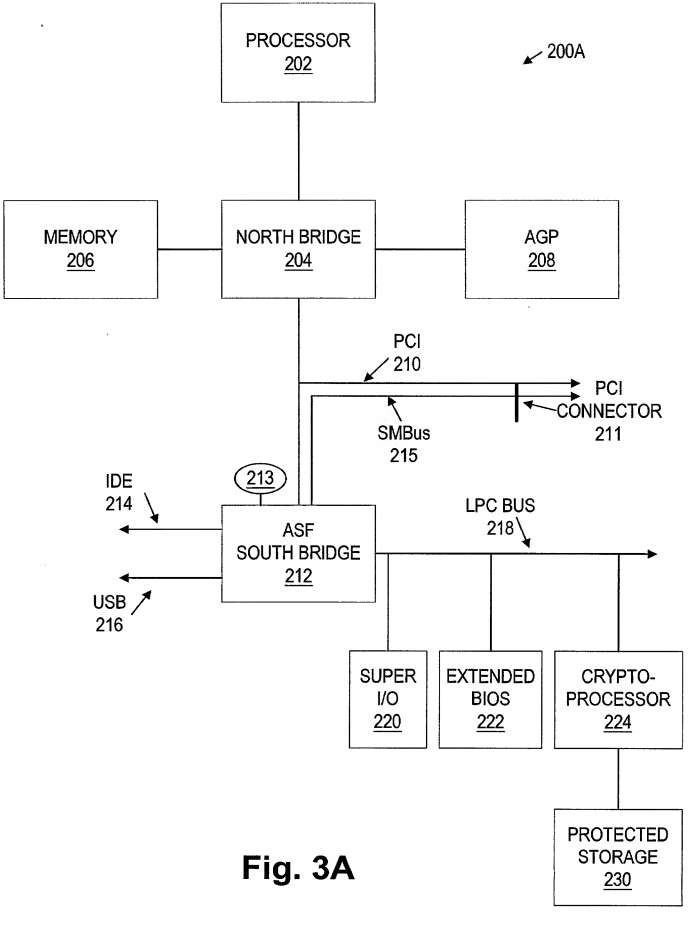


Fig. 3A

10004707.011102

20040073.011102

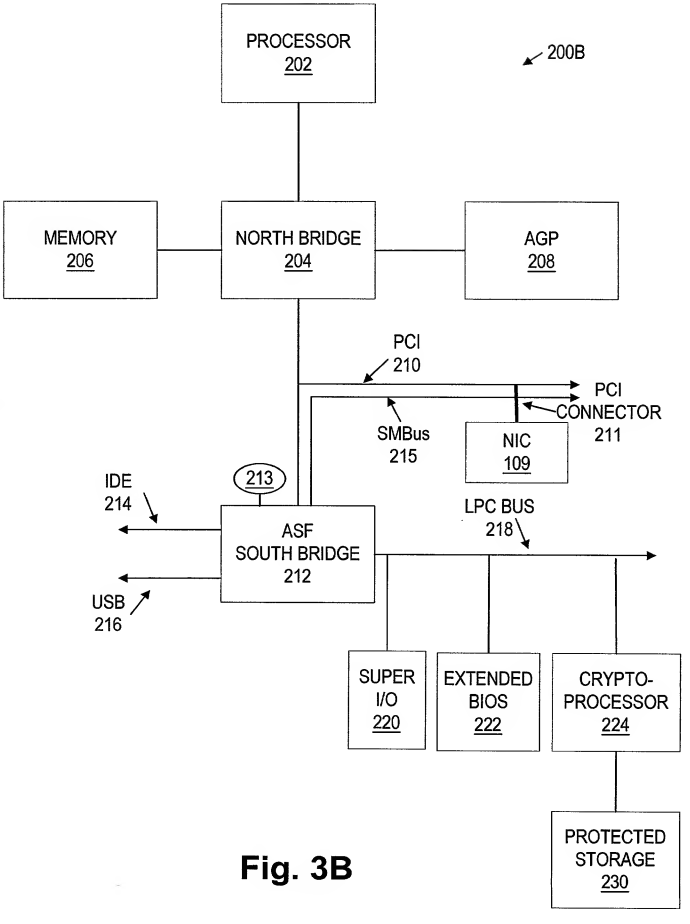


Fig. 3B

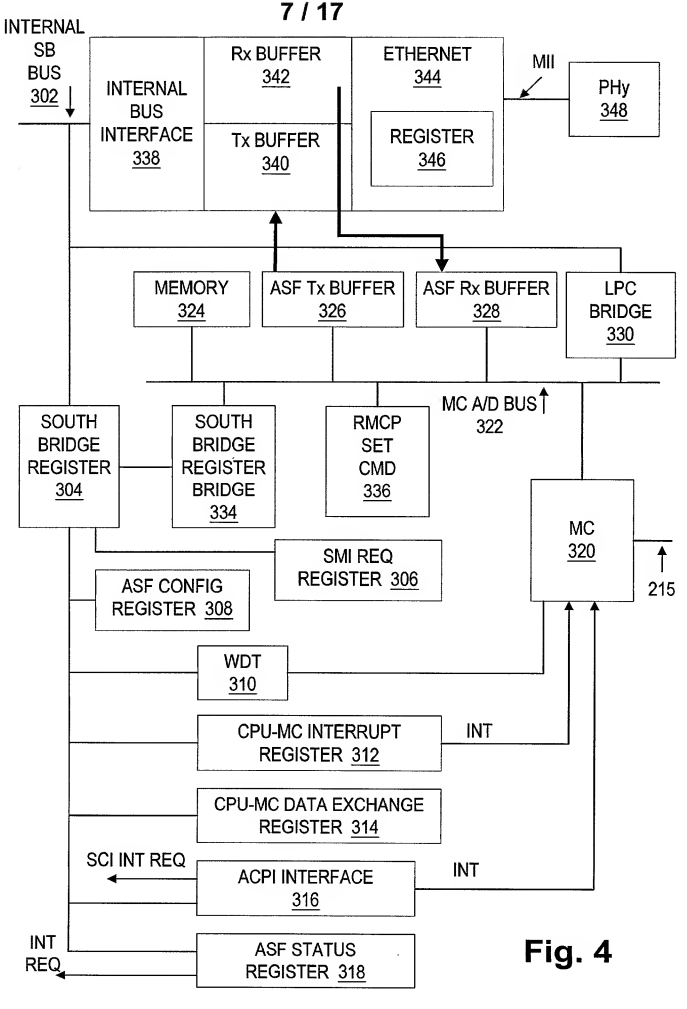


Fig. 4

10014707-011102

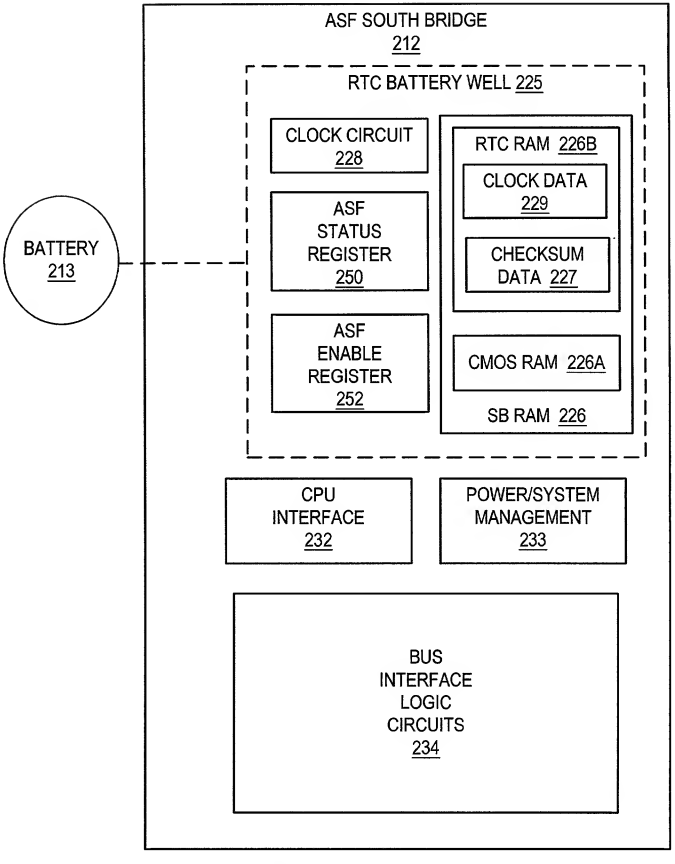
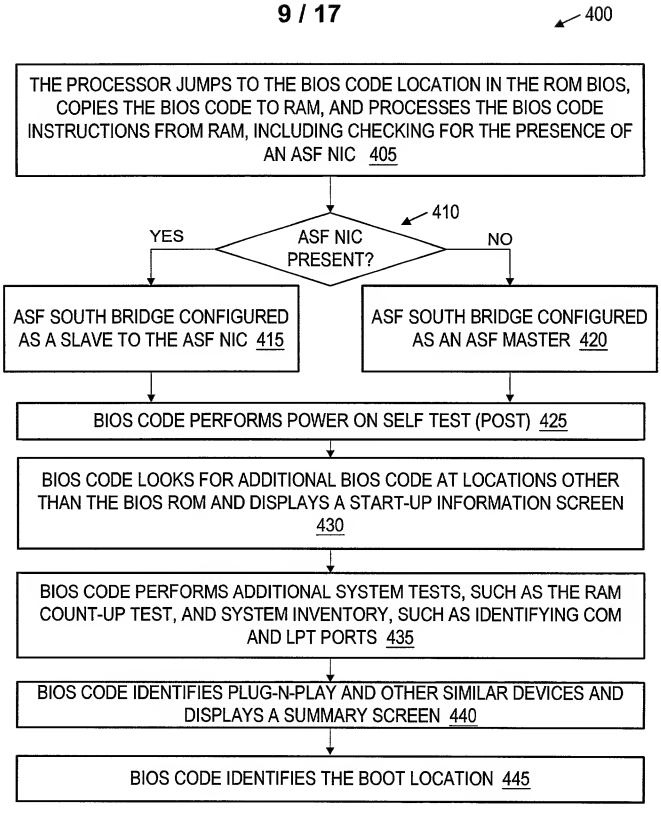


Fig. 5

10017707-011102



2011/0271001

Fig. 6

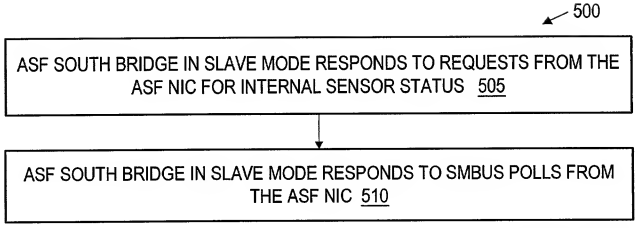


Fig. 7A

10017707.011102

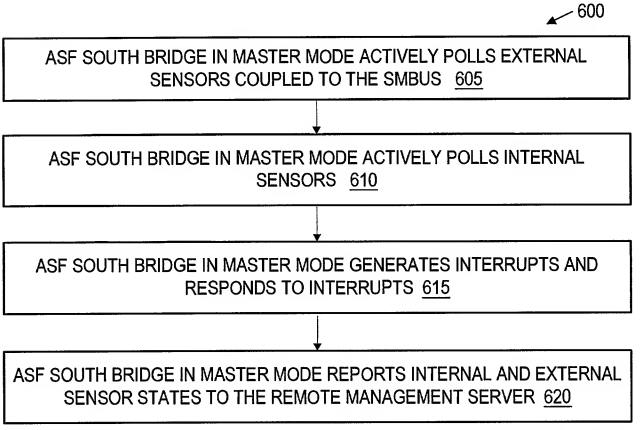


Fig. 7B

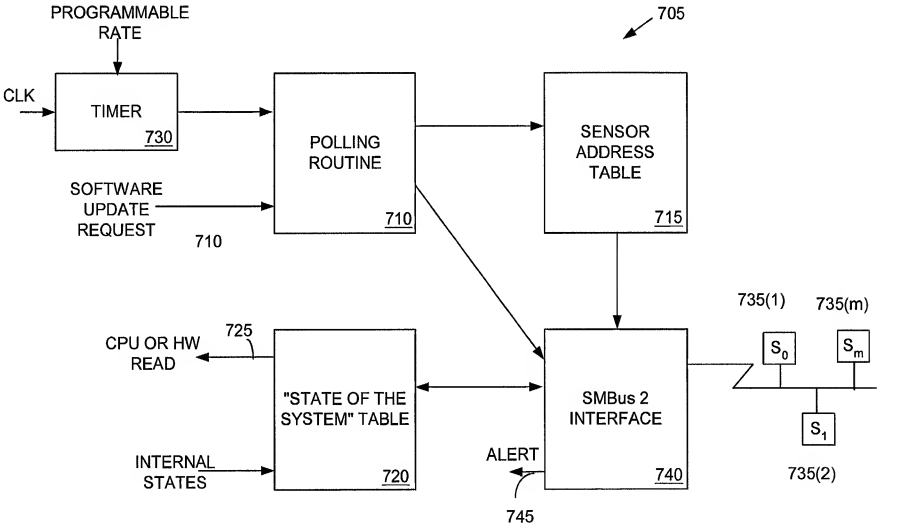

PROGRAMMABLE RATE
705
CLK
TIMER
730
POLLING ROUTINE
710
SENSOR ADDRESS TABLE
715
SOFTWARE UPDATE REQUEST
710
735(1)
735(m)
725
CPU OR HW READ
"STATE OF THE SYSTEM" TABLE
720
SMBus 2 INTERFACE
740
S_0
S_m
S_1
INTERNAL STATES
ALERT
745
735(2)

Fig. 7C

Offset	Name	Description
00h	Alert, Device Address (n ranges from 1 to Number of Alerts)	Contains the SMBus address to which the SMBus command is written, in the following format: **Bits(s) Description** 7:1 Contains the SMBus address of the alert-capable device. 0 Identifies where (1) or not (0) the alerting condition is based on an exact match.
01h	Alert, Command	Contains the SMBus Command or register value used to obtain the data associated with the alert.
02h	Alert, Data Mask	The data-mask to be logically AND'd with to the returned sensor data to isolate significant bits associated with this alert.
03h	Alert, Compare Value	The value to compare to the masked sensor data, if an exact match is specified in the Device Address field. If a match results, the alert associated with this condition should be sent by the alerting device.
04h	Alert, Event Sensor Type	The value to be set into the alert's Event Sensor Type field.
05h	Alert, Event Type	The value to be set into the alert's Event Type field.
06h	Alert, Event Offset	The value to be set into the alert's Event Offset field.
07h	Alert, Event Source Type	The value to be set into the alert's Event Source Type field.
08h	Alert, Event Severity	The value to be set into the alert's Event Severity field.
09h	Alert, Sensor Number	The value to be set into the alert's Sensor Number field.
0Ah	Alert, Entity	The value to be set into the alert's Entity field.
0Bh	Alert, Entity Instance	The value to be set into the alert's Entity Instance field.

Fig. 7D

20041787.011102

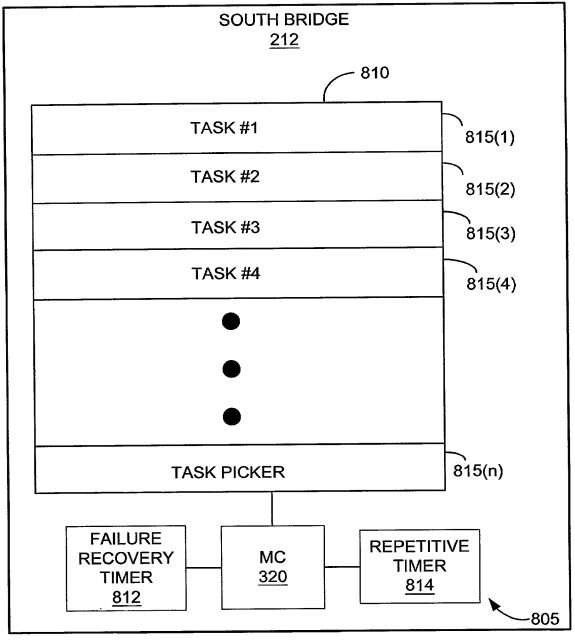


Fig. 8

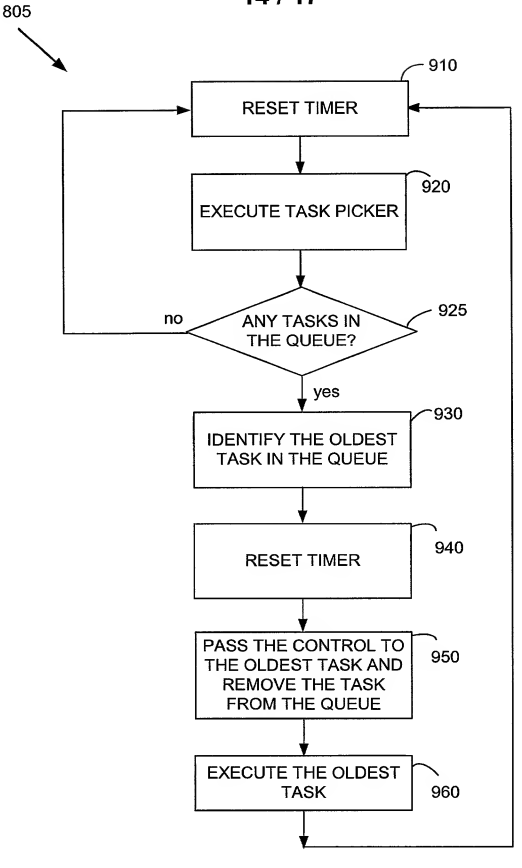


Fig. 9

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EDOCID: US 7,017,011 B2

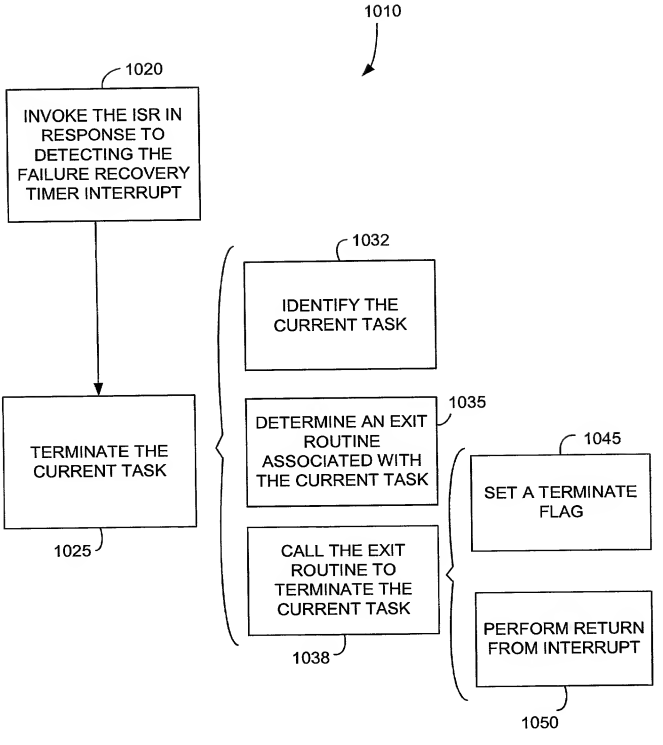

Fig. 10

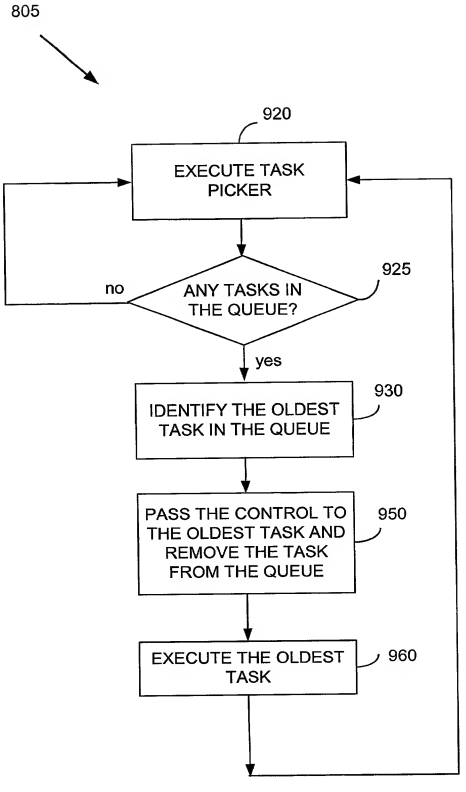

Fig. 11

10047707.011102

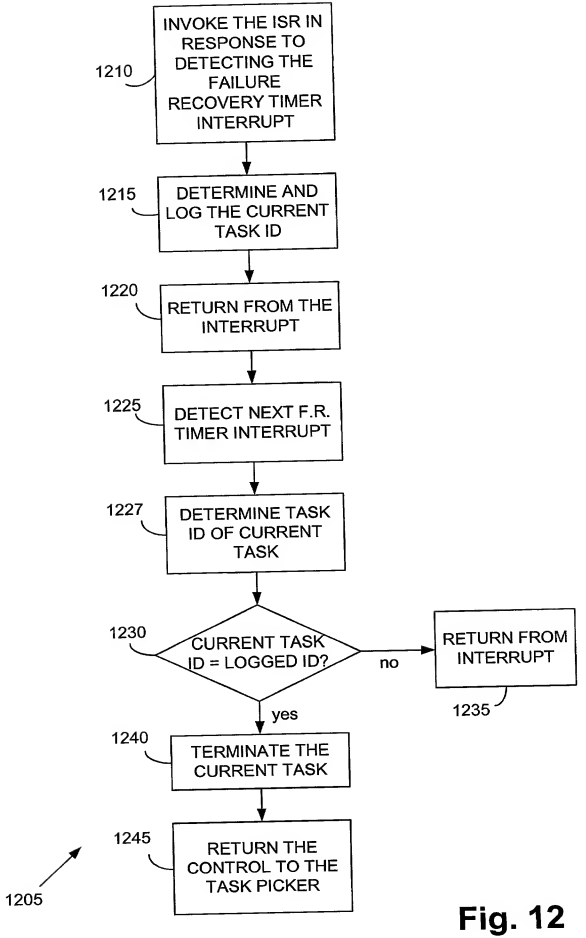

Fig. 12

20110707.010440.1